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2047 U.S. PTO

PTO/SB/05 (01-04)

Approved for use through 07/31/2006. OMB 0651-0032  
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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 8028-43 (SPX200304-0016US)

First Inventor Chan HWANG

Title Photomask for Forming Photoresist

Express Mail Label No. EV480875103US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 19]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Sheets 2]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17.  Credit Card Payment Form PTO-2038  
Other: \$770.00 & \$40.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

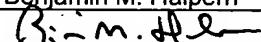
 Continuation       Divisional       Continuation-in-part (CIP)      of prior application No.: .....

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_  
 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

 Customer Number: \_\_\_\_\_ OR  Correspondence address below

|         |   |           |              |          |              |
|---------|---|-----------|--------------|----------|--------------|
| Name    | Frank Chau, Esq.  |           |              |          |              |
| Address | F. CHAU & ASSOCIATES, LLC<br>1900 Hempstead Turnpike, Suite 501 |           |              |          |              |
| City    | East Meadow   | State     | New York     | Zip Code | 11554        |
| Country | USA   | Telephone | 516-357-0091 | Fax      | 516-357-0092 |

|                   |   |                                   |         |
|-------------------|---|-----------------------------------|---------|
| Name (Print/Type) | Benjamin M. Halpern   | Registration No. (Attorney/Agent) | 46,494  |
| Signature         |  | Date                              | 4/19/04 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

17513 U.S. PTO  
10/827556041904  


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# FEE TRANSMITTAL

## for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** **(\$)** 810.00

**Complete if Known**

|                      |                            |
|----------------------|----------------------------|
| Application Number   |                            |
| Filing Date          | April 19, 2004             |
| First Named Inventor | Chan HWANG                 |
| Examiner Name        |                            |
| Art Unit             |                            |
| Attorney Docket No.  | 8028-43 (SPX200304-0016US) |

**METHOD OF PAYMENT (check all that apply)**

Check  Credit card  Money Order  Other  None

Deposit Account:

|                        |                          |
|------------------------|--------------------------|
| Deposit Account Number | 50-0679                  |
| Deposit Account Name   | F.CHAU & ASSOCIATES, LLC |

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051     | 130      | 2051     | 65       | Surcharge - late filing fee or oath  |          |
| 1052     | 50       | 2052     | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053     | 130      | 1053     | 130      | Non-English specification  |          |
| 1812     | 2,520    | 1812     | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804     | 920*     | 1804     | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805     | 1,840*   | 1805     | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251     | 110      | 2251     | 55       | Extension for reply within first month                                     |          |
| 1252     | 420      | 2252     | 210      | Extension for reply within second month                                    |          |
| 1253     | 950      | 2253     | 475      | Extension for reply within third month                                     |          |
| 1254     | 1,480    | 2254     | 740      | Extension for reply within fourth month                                    |          |
| 1255     | 2,010    | 2255     | 1,005    | Extension for reply within fifth month                                     |          |
| 1401     | 330      | 2401     | 165      | Notice of Appeal   |          |
| 1402     | 330      | 2402     | 165      | Filing a brief in support of an appeal                                     |          |
| 1403     | 290      | 2403     | 145      | Request for oral hearing   |          |
| 1451     | 1,510    | 1451     | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452     | 110      | 2452     | 55       | Petition to revive - unavoidable   |          |
| 1453     | 1,330    | 2453     | 665      | Petition to revive - unintentional   |          |
| 1501     | 1,330    | 2501     | 665      | Utility issue fee (or reissue)   |          |
| 1502     | 480      | 2502     | 240      | Design issue fee   |          |
| 1503     | 640      | 2503     | 320      | Plant issue fee  |          |
| 1460     | 130      | 1460     | 130      | Petitions to the Commissioner  |          |
| 1807     | 50       | 1807     | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806     | 180      | 1806     | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021     | 40       | 8021     | 40       | Recording each patent assignment per property (times number of properties) | 40.00    |
| 1809     | 770      | 2809     | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810     | 770      | 2810     | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801     | 770      | 2801     | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802     | 900      | 1802     | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** 40.00**SUBMITTED BY**

(Complete if applicable)

|                   |                            |                                   |        |           |              |         |
|-------------------|----------------------------|-----------------------------------|--------|-----------|--------------|---------|
| Name (Print/Type) | Benjamin M. Halpern        | Registration No. (Attorney/Agent) | 46,494 | Telephone | 516-357-0091 |         |
| Signature         | <i>Benjamin M. Halpern</i> |                                   |        |           | Date         | 4/19/04 |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT**

Atty. Docket No. 8028-43 (SPX200304-0016US)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**APPLICATION FEE TRANSMITTAL**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s) : Chan HWANG, In-Sung KIM, Young-Seog KANG

For: PHOTOMASK FOR FORMING PHOTORESIST PATTERNS  
REPEATING IN TWO DIMENSIONS AND METHOD OF  
FABRICATING THE SAME

This application is a:

- New Application
- Continuation
- Continuation-In-Part (CIP)
- Divisional

of co-pending U.S. application Serial No. \_\_\_\_\_  
filed on \_\_\_\_\_.

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that this Application transmittal and the documents referred to as enclosed are being deposited with the United States Postal Service on this date April 19, 2004 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 480875103US addressed to: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Benjamin M. Halpern  
(Type or print name of person mailing paper)

Benjamin M. Halpern  
(Signature of person mailing paper)

Enclosed are:

[X] 13 page(s) of specification  
[X] 1 page(s) of Abstract  
[X] 5 page(s) of claims  
[X] 3 sheets of drawings [X] formal [ ] informal  
[X] 2 page(s) of Declaration and Power of Attorney  
[X] An Assignment of the invention to:  
SAMSUNG ELECTRONICS CO., LTD

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[ ] This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s):

APPLICATION NO(S) : \_\_\_\_\_ FILING DATE \_\_\_\_\_

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[X] Priority under Title 35 United States Code, § 119 is claimed from:

| <u>Country</u> | <u>Appln. No.</u> | <u>Filed</u> |
|----------------|-------------------|--------------|
| Korea          | 2003-45446        | 4 July 2003  |

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[X] Certified copy of which:

[X] is enclosed

[ ] will follow.

Additional papers enclosed:

[ ] Preliminary Amendment  
The fees to be charged are to be based on the number of claims remaining as a result of the attached Preliminary Amendment.

[ ] Information Disclosure Statement

[ ] Form PTO-1449

[ ] Other

**Fee Calculation (37 C.F.R. §1.16)**

| For         | Number<br>Filed | Number<br>Extra | Rate       | Basic Fee       |
|-------------|-----------------|-----------------|------------|-----------------|
| Total       |                 |                 |            | \$ 770.00       |
| Claims*     | 18              | -20 = 0         | x \$ 18.00 | \$ .00          |
| Independent |                 |                 |            |                 |
| Claims      | 3               | -3 = 0          | x \$ 86.00 | \$ .00          |
| Multiple    | [ ] yes         | Add'l. Fee      | \$290.00   | \$              |
| Dependent   |                 |                 |            |                 |
| Claims      | [X] no          | Add'l. Fee      | None       | = \$            |
|             |                 |                 |            | TOTAL \$ 770.00 |

- Applicant Claims Small Entity Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$ .00.
- Please charge fee of \$40.00 For recording the attached Assignment by Credit Card Payment Form PTO-2038 enclosed herewith.
- Please charge fee of \$770.00 to cover the filing fee by Credit Card Payment Form PTO-2038 enclosed herewith.
- Charge fee to Deposit Account No. 50-0679. Order No.        TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

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\* Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

[X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

**Relate Back - 35 U.S.C. § 120**

[ ] Amend the specification by inserting after the Title the sentence:

--This is a [ ] continuation [ ] continuation-in-part  
[ ] divisional of copending application Serial No.  
\_\_\_\_\_, filed on \_\_\_\_\_, the disclosure of  
which in its entirety is incorporated-by-reference  
herein.--

Date: 4/19/04

Benjamin Halpern  
SIGNATURE OF ATTORNEY  
Benjamin M. Halpern  
Req. No. 46,494

F. CHAU & ASSOCIATES, LLC  
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FC/BMH:mel